

TENT COOPERATION TREA Y

To:

From the INTERNATIONAL BUREAU

PCT

NOTIFICATION OF ELECTION

(PCT Rule 61.2)

Assistant Commissioner for Patents United States Patent and Trademark

Box PCT Washington, D.C.20231 ÉTATS-UNIS D'AMÉRIQUE

Date of mailing (day/month/year) 30 November 1999 (30.11.99)

in its capacity as elected Office

International application No. PCT/US99/04412

Applicant's or agent's file reference 183-109(PCT)

International filing date (day/month/year) 01 March 1999 (01.03.99)

Priority date (day/month/year)

17 March 1998 (17.03.98)

Applicant

MARGOLIN, Solomon, B.

1.	The designated Office is hereby notified of its election made:	
	X in the demand filed with the International Preliminary Examining Authority on:	
	18 October 1999 (18.10.99)	
	in a notice effecting later election filed with the International Bureau on:	
2.	The election X was	: : .
	was not	
	made before the expiration of 19 months from the priority date or, where Rule 32 applies, within the time limit under Rule 32.2(b).	
) -		

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland

Authorized officer

Jean-Marie McAdams

Telephone No.: (41-22) 338.83.38

Facsimile No.: (41-22) 740.14.35

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PATENT COOPERATION TREATY

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INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference	FOR FURTHER ACTION		ication of Transmittal of International		
183-109(PCT)			Examination Report (Form PCT/IPEA/416)		
International application No. PCT/US99/04412	International filing date (day/s	nonin/year)	Priority date (day/month/year) 17 MARCH 1998		
International Patent Classification (IPC) or national classification and IPC IPC(7): A61K 31/445 and US Cl.: 514/315, 327					
Applicant MARGOLIN, SOLOMON B.					
Examining Authority and is 2. This REPORT consists of a This report is also accombeen amended and are th	Examining Authority and is transmitted to the applicant according to Article 36. 2. This REPORT consists of a total of sheets. This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority. (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).				
		tema:			
I X Basis of the report II Priority III Non-establishment IV Lack of unity of V X Reasoned statement citations and explain VI Certain documents VII Certain defects in the	II Priority III Non-establishment of report with regard to novelty, inventive step or industrial applicability IV Lack of unity of invention V X Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement VI Certain documents cited VII Certain defects in the international application				
Date of submission of the demand	Date of submission of the demand Date of completion of this report				
18 OCTOBER 1999		06 APRIL 2000			
Name and mailing address of the IPEA/		orized officer	10(1)		
Commissioner of Patents and Tradent Box PCT Washington, D.C. 20231		KEVIN E. WE	EDDINGTON + 16, 1/1/		
Facsimile No. (703) 305-3230	Tele	phone No. (703) 308-1235		

Form PCT/IPEA/409 (cover sheet) (July 1998)★

International application No.

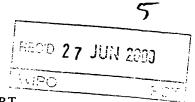
Ba	sis of the	report			·-	
. With	regard to the	elements of the inten	national applicati	ion:*		
\mathbf{x}	the interna	tional application a	s originally fi	iled		
$\overline{\mathbf{x}}$	the descrip	otion:				
لثا	pages	1-23				, as originally filed
	pages	NICHT				_, filed with the demand
	pages	NONE				
x	the claims					
لگا	pages					, as originally filed
	pages					statement) under Article 19
	pages				_	_ , filed with the demand
	pages		, filed v	vith the letter of		
<u> </u>	the decurie					
X	the drawin	NONTE				
	pages	NONTE				, as originally filed
	pages					_ , filed with the demand
	pages			, illed with the lette		
\mathbf{x}	the sequen	ce listing part of the	description:			
	pages	NONE	-			, as originally filed
	pages	NONE				_ , filed with the demand
	pages	NONE		, filed with the letter	r of	
\sqcup	the languag	ge of publication of	the internation	onal application (under	r Rule 48.3(b)).	
	the language or 55.3).	e of the translation fu	mished for the	purposes of international	l preliminary exa	mination (under Rules 55.2 ar
	•	•		-		application, the internationa
prel	iminary exa	umination was carrie	d out on the b	easis of the sequence li	sting:	
	contained i	n the international	application in	printed form.		
	filed togeth	ner with the interna	tional applicat	tion in computer reads	able form.	
百	furnished s	ubsequently to this	Authority in	written form.		
\sqcap	furnished s	ubsequently to this	Authority in	computer readable for	m.	
		ent that the subsequent al application as filed			g does not go b	eyond the disclosure in the
	The stateme been furnish	nt that the informationed.	n recorded in c	computer readable form i	is identical to the	writen sequence listing has
[x]		iments have resulte	d in the cance	ellation of:		
	X the d	lescription, pages	NONE			•
	\mathbf{x}	laims, Nos.	NONE			
	$\overline{}$	lrawings, sheets /fig	NONE			
П		•		mendments had not been	made since the	y have been considered to go
Ш				ne Supplemental Box (Ru		Have occil collisidered to go
in th	cement sheets report as	ts which have been fu	nished to the re	ceiving Office in response	to an invitation i	ınder Article 14 are referred to ain amendments (Rules 70.16
	70.17). renlacement	t sheet containing su	h amendments	must be referred to una	der item 1 and a	nnexed to this report

International application No.

		rd to novelty, inventive step or industrial applica ent	bility;
statement	-		
Novelty (N)	Claims	1-18	_ YES
	Claims	NONE	_ NO
Inventive Step (IS)	Claims	NONE	_ YES
	Claims	1-18	_ ио
Industrial Applicability (IA)	Claims	1-18	_ YES
, ,	Claims	NONE	_ NO
citations and explanations (Rule	70.7)		·-··-
Claims 1-18 meet the criteria set out in PCT	Article 33(2) as	s having novelty in the pharmaceutical art.	
Claims 1-18 meet the criteria set out in PCT	Article 33(4) as	s having industrial applicability in the pharmaceutical art.	
	CT Article 33(3)	as being obvious over Gadekar, Clough et al. (US 5,179,0	98) or
The three references, each individu			
of the active compound and the carriers as a	et forth in claim	s 7-9 and 16-18. However, to determine an amount of the	e active
NEW CITATIONS	÷		
·			
en e			
	Inventive Step (IS) Industrial Applicability (IA) Citations and explanations (Rule Claims 1-18 meet the criteria set out in PCT Claims 1-18 lack an inventive step under PC Clough et al. (US 5,314,892). The three references, each individuation of the active compound and the carriers as a secompound having optimum effect against fur would have been motivated to determine optimum of the set of	Statement Novelty (N) Claims Claims Inventive Step (IS) Claims Claims Industrial Applicability (IA) Claims Claims 1-18 meet the criteria set out in PCT Article 33(2) and Claims Claims 1-18 lack an inventive step under PCT Article 33(3) Clough et al. (US 5,314,892). The three references, each individually, teach the and The instant invention differs from the cited reference of the active compound and the carriers as set forth in claim compound having optimum effect against fungi is well withing would have been motivated to determine optimum amounts to the compound having optimum effect against fungi is well withing would have been motivated to determine optimum amounts to the compound having optimum effect against fungi is well withing the compound having optimum effect against fungi is well withing the compound having optimum effect against fungi is well withing the compound having optimum effect against fungi is well withing the compound having optimum effect against fungi is well withing the compound having optimum effect against fungi is well withing the compound having optimum effect against fungi is well withing the compound having optimum effect against fungi is well withing the compound having optimum effect against fungi is well withing the compound having optimum effect against fungi is well withing the compound having optimum effect against fungi is well withing the compound having optimum effect against fungi is well withing the compound having optimum effect against fungi is well withing the compound having optimum effect against fungi is well withing the compound having optimum effect against fungi is well withing the compound having optimum effect against fungi is well withing the compound having optimum effect against fungi is well withing the compound having optimum effect against fungi is well withing the compound hav	Novelty (N) Claims Claims NONE Inventive Step (IS) Claims Claims NONE Claims Industrial Applicability (IA) Claims Claims Claims Claims NONE Claims Claims NONE Claims Claim



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INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference 183-109(PCT)	FOR FURTHER ACTION	See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)		
International application No.	International filing date (day/m	nonth/year) Priority date (day/month/year)		
PCT/US99/04412	01 MARCH 1999	17 MARCH 1998		
International Patent Classification (IPC) IPC(7): A61K 31/445 and US Cl.: 5	or national classification and IPC 14/315, 327			
Applicant MARGOLIN, SOLOMON B.				
Authority and is transmitted	to the applicant according to	prepared by this International Preliminary Examining Article 36.		
been amended and are the (see Rule 70.16 and Sec	ne basis for this report and/or sho tion 607 of the Administrative l	ets of the description, claims and/or drawings which have leets containing rectifications made before this Authority. Instructions under the PCT).		
These annexes consist of a to	otal of <u>Sheets.</u>			
3. This report contains indication	is relating to the following ite	ems:		
I X Basis of the repo	rt			
II Priority				
III Non-establishmer	III Non-establishment of report with regard to novelty, inventive step or industrial applicability			
IV Lack of unity of				
	V X Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement			
VI Certain documents	cited			
VII Certain defects in	the international application			
VIII Certain observation	ns on the international application	on ·		
	CORRECTED			
		VERSION		
Date of submission of the demand	Date	of completion of this report		
18 OCTOBER 1999		1 MAY 2000		
Name and mailing address of the IPEA/		orized officer.		
Commissioner of Patents and Traden Box PCT Washington, D.C. 20231	narks k	KEVIN E. WEDDINGTON		
Facsimile No. (703) 305-3230	I	ohone No. (703) 308-1235		



International	application	No.

I.	Basis of	the report		
1.	With regard	to the elements of the internation	al application:*	
••		ernational application as original	• •	
	느	scription:		
	[]	1-23		, as originally filed
		NONE	,	filed with the demand
		NONE	, filed with the letter of	
	X the cla			an aninimally file (
			, as amended (together with any state	
		NONE	, as amended (together with any state	
			, filed with the letter of	
	_		-	
	لتت	awings:		
		none		
		NONE NONE		
	pages	NONE	, filed with the letter of	****
ı	X the sec	quence listing part of the desc	cription:	
١				, as originally filed
	pages	NONE		, filed with the demand
	pages	NONE	, filed with the letter of	
	the lan	guage of a translation furnisguage of publication of the	to this Authority in the following language	er Rule 23.1(b)).
3.			nino acid sequence disclosed in the international aput on the basis of the sequence listing:	plication, the international
	ontair	ned in the international appli	cation in printed form.	
í			l application in computer readable form.	
i	===	ned subsequently to this Aut		
i			hority in computer readable form.	
	=	•	furnished written sequence listing does not go bey	ond the disclosure in the
l	interna	tional application as filed has	s been furnished.	
	The state been fi	tement that the information re irnished.	corded in computer readable form is identical to the v	vriten sequence listing has
4.	X The ar	mendments have resulted in	the cancellation of:	
	[X]	the description, pages	NONE	
			NONE	
			NONE	
5.		ane drawings, sheets/rig		have been considered to as
*	beyon Replacement	nd the disclosure as filed, as inc sheets which have been furnisher: as "originally filed" and are	ne of) the amendments had not been made, since they dicated in the Supplemental Box (Rule 70.2(c)).** ed to the receiving Office in response to an invitation under not annexed to this report since they do not contain	der Article 14 are referred to
*	•		mendments must be referred to under item 1 and ann	exed to this report



International application No.

statement			
Novelty (N)	Claims	1-18	YE
	Claims	NONE	NO
Inventive Step (IS)	Claims	7-9 and 16-18	YE
	Claims	1-6 and 10-15	
Industrial Applicability (IA)	Claims	1-18	YE
,	Claims	NONE	NO
		e 33(3) as having an inventive step in the pharmaceu	itical art
Claims 1-18 meet the criteria set out in PCT Claims 7-9 and 16-18 meet the criteria set of			tical art
since the prior art does not teach the applicant	nts' specific amo	ounts of the active compounds and carriers.	
Claims 1-18 meet the criteria set out in PCT	Article 33(4) as	s having industrial applicability in the pharmaceutical	art.
5,179,098) or Clough et al. (US 5,314,892). The three references, each individu	ally, teach the a	cle 33(3) as being obvious over Gadekar, Clough et applicants' instant compounds, 2-(1H) pyridones antifu	
5,179,098) or Clough et al. (US 5,314,892). The three references, each individue can be formulated into various compositions.	ally, teach the a		
5,179,098) or Clough et al. (US 5,314,892). The three references, each individu	ally, teach the a		
5,179,098) or Clough et al. (US 5,314,892). The three references, each individue can be formulated into various compositions.	ally, teach the a		
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5,179,098) or Clough et al. (US 5,314,892). The three references, each individue can be formulated into various compositions.	ally, teach the a		
5,179,098) or Clough et al. (US 5,314,892). The three references, each individue can be formulated into various compositions.	ally, teach the a		

INTERNATIONAL SEARCH REPORT

International application No. PCT/US99/04412

A CI	A CLASSICICATION OF SUPPLICT MATTER					
l	A. CLASSIFICATION OF SUBJECT MATTER					
	IPC(6) :A61K 31/445					
	US CL :514/315, 327					
	According to International Patent Classification (IPC) or to both national classification and IPC					
B. FIEI	LDS SEARCHED		. The state of the			
Minimum d	documentation searched (classification system follower	ed by classification symbols)				
U.S. :	514/315, 327	•	Ĭ			
0.5.	314/313, 327					
Dagumanta	Air and the second seco					
	tion searched other than minimum documentation to th	e extent that such documents are included	in the fields searched			
NONE			ĺ			
Electronic o	data base consulted during the international search (n	ame of data base and, where practicable	, search terms used)			
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C. DOC	CUMENTS CONSIDERED TO BE RELEVANT					
C. 200	COMBINED TO BE RELEVANT					
Category*	Citation of document, with indication, where ap	opropriate, of the relevant passages	Relevant to claim No.			
			resevant to claim 140.			
X	US 3,974,281 A (GADEKAR) 10 A	August 1976, see the entire	1-18			
!	document.	in a gust 1910, boo the charte	1 10			
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v	110 5 170 000 A (OLONGIA . 1) 10					
X	US 5,179,098 A (CLOUGH et al.) 12	I January 1993, see the entire	1-18			
	document.		•			
X	US 5,314,892 A (CLOUGH et al.) 2	24 May 1994 see the entire	1-18			
	document.	2. May 1994, see the entire	1-10			
	document.					
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Furth	er documents are listed in the continuation of Box C	See patent family annex.				
• Spe	ecial categories of cited documents:	"T" later document published after the inte	163			
	cument defining the general state of the art which is not considered	date and not in conflict with the appli	ication but cited to understand			
	be of particular relevance	the principle or theory underlying the				
"E" ear	rlier document published on or after the international filing date	*X* document of particular relevance; the	claimed invention cannot be			
L doc	cument which may throw doubts on priority claim(s) or which is	considered novel or cannot be consider when the document is taken alone	red to involve an inventive step			
cita	ed to establish the publication date of another citation or other ecial reason (as specified)	"Y" document of particular relevance; the	claimed invention			
		considered to involve an inventive	step when the document is			
	cument referring to an oral disclosure, use, exhibition or other sans	combined with one or more other such being obvious to a person skilled in t				
P do:	*P* document published prior to the international filling data but learn the					
the priority date claimed document member of the same patent family						
Date of the actual completion of the international search Date of mailing of the international search report						
05 MAY 1999 14 MAY 1999						
Name and mailing address of the ISA/US Authorized officer JOYCE BRIDGERS						
Box PCT						
			CHEMICAL MATRIX			
Facsimile N	lo. (703) 305-3230	Telephone No. (703) 308-1235	1 Som			